

**Commonwealth of Kentucky  
Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Mark Labhart

GENERAL INFORMATION:

Name:	Fontaine Trailer Company
Address:	100 Fontaine Trailer Road
Date application received:	October 6, 2003
SIC/Source description:	3715 / Trailer manufacturing
EIS #:	021-033-00035
Application log number:	56033
Permit number:	F-04-010

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
___ Administrative	<input type="checkbox"/> Title V
___ Minor	<input type="checkbox"/> Synthetic minor
___ Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Allowable (tpy)	Potential (tpy)
PM/PM <sub>10</sub>	11.3	15.6	44.2
SO <sub>2</sub>	0.01	0.01	0.01
NO <sub>x</sub>	2.3	2.3	2.27
CO	1.9	1.9	1.90
VOC	67.4	90	247
LEAD	0.00	0.00	0.00
HAP (by CAS)			
Xylene 1330-20-7	5.4	8.5	23.3
Methyl Ethyl Ketone 110-43-0	1.0	1.7	4.6
Hexamethylene Diisocyanate 822-06-0	0.067	0.067	0.29
Total HAP	6.5	11	28.1

SOURCE PROCESS DESCRIPTION:

This source manufactures heavy truck trailers. Unfinished steel and prefabricated parts such as axle assemblies are used. First constructed are the large beams used for the trailer frames. These are abrasive blast cleaned with steel shot, before trailer construction continues. Completed trailer frames are shot blast cleaned again in preparation for painting. Currently there is only one blast booth for the final cleaning operation. The source plans to add a second blast booth for this purpose. After cleaning, the trailers are moved into one of two spray booths. The painting process consists of taping (about 5 minutes), preheating (15 minutes in winter), prime coating (1 hour, 30 minutes), drying (10 minutes summer/ 20 minutes winter), top coating (2 hours), drying (15 minutes summer/ 30 minutes winter). After painting, the trailers are removed from the booth for final assembly. The source plans on adding a designated spray booth for priming. The current painting process can exceed 4 hours per trailer. The source would like to be able to produce 3 trailers in an 8-hour shift. Addition of the designated priming booth will allow for completion of 3 trailers per shift. In addition to the above, there is a small spray booth used for coating some of the pre-manufactured parts. There are also many welders in use and several natural gas space heaters. The welders, heaters and the abrasive blasting operations are insignificant activities. The primary sources of emissions from this facility are from the painting operations. Clean-up solution used for the coating equipment is 2 gal/day per booth, (8 gal/day total).

EMISSION AND OPERATING CAPS DESCRIPTION:

The source has elected to take emission limitations that reflect their projected production capacity to manufacture trailers. These operating limitations shall be, VOC emissions no more

than 90 TPY, single HAP emissions no more than 8.5 TPY and total HAP emissions no more than 11 TPY, with an additional limit on emissions of Hexamethylene Diisocyanate (CAS 822-06-0), to less than 134 lbs/year to comply with State Regulation 401 KAR 63:020, Potentially hazardous matter or toxic substances.